

What is claimed is:

- 1 1. A root canal instrument for manual use, comprising a grip member (1) which  
2 has attached thereto an elongated tapering shaft (2) which is provided with at  
3 least one cutting edge coiled in spiral form around the longitudinal axis (8) of  
4 said shaft (2), characterized in that said shaft (2) has a cross-sectional shape  
5 which is provided at two opposite sides with one cutting edge (3, 4) each and  
6 whose side surfaces (5, 6) connecting said cutting edges (3, 4) are each made  
7 convex.
- 1 2. The root canal instrument according to claim 1, characterized in that the  
2 tangent angle at said cutting edge (3, 4) is made to range between 70° and  
3 110°.
- 1 3. The root canal instrument according to claim 1, characterized in that said  
2 cutting edge (3, 4) is made symmetrical relative to a straight line (7) or plane  
3 connecting said two cutting edges (3, 4).
- 1 4. The root canal instrument according to claim 1, characterized in that the two  
2 cutting edges (3, 4) are made identical.
- 1 5. The root canal instrument according to claim 1, characterized in that said two  
2 side surfaces (5, 6) are curved in the form of an arc.
- 1 6. The root canal instrument according to claim 5, characterized in that said two  
2 side surfaces (5, 6) are curved in the form of a circular arc.

- 1 7. The root canal instrument according to claim 1, characterized in that said two  
2 side surfaces (5, 6) are made symmetrical relative to said straight line (7) or  
3 plane connecting said cutting edges (5, 6).
- 1 8. The root canal instrument according to claim 1, characterized in that the front  
2 portion (9) of said shaft (2) is configured to be non-cutting.
- 1 9. The root canal instrument according to claim 2, characterized in that said  
2 cutting edge (3, 4) is made symmetrical relative to a straight line (7) or plane  
3 connecting said two cutting edges (3, 4).
- 1 10. The root canal instrument according to claim 2, characterized in that the two  
2 cutting edges (3, 4) are made identical.
- 1 11. The root canal instrument according to claim 3, characterized in that the two  
2 cutting edges (3, 4) are made identical.
- 1 12. The root canal instrument according to claim 2, characterized in that said two  
2 side surfaces (5, 6) are curved in the form of an arc.
- 1 13. The root canal instrument according to claim 3, characterized in that said two  
2 side surfaces (5, 6) are curved in the form of an arc.
- 1 14. The root canal instrument according to claim 4, characterized in that said two  
2 side surfaces (5, 6) are curved in the form of an arc.
- 1 15. The root canal instrument according to claim 2, characterized in that said two  
2 side surfaces (5, 6) are made symmetrical relative to said straight line (7) or  
3 plane connecting said cutting edges (5, 6).

- 1 16. The root canal instrument according to claim 3, characterized in that said two  
2 side surfaces (5, 6) are made symmetrical relative to said straight line (7) or  
3 plane connecting said cutting edges (5, 6).
- 1 17. The root canal instrument according to claim 4, characterized in that said two  
2 side surfaces (5, 6) are made symmetrical relative to said straight line (7) or  
3 plane connecting said cutting edges (5, 6).
- 1 18. The root canal instrument according to claim 5, characterized in that said two  
2 side surfaces (5, 6) are made symmetrical relative to said straight line (7) or  
3 plane connecting said cutting edges (5, 6).
- 1 19. The root canal instrument according to claim 6, characterized in that said two  
2 side surfaces (5, 6) are made symmetrical relative to said straight line (7) or  
3 plane connecting said cutting edges (5, 6).
- 1 20. The root canal instrument according to claim 2, characterized in that the front  
2 portion (9) of said shaft (2) is configured to be non-cutting.